

**ABSTRACT OF THE DISCLOSURE**

A method is described for the direct photochemical modification and micro-patterning of polymer surfaces, without the need to use a photoresist. For example, micropatterns of various functional chemical groups, biomolecules, and metal films have been deposited on poly(carbonate) and poly(methyl methacrylate) surfaces. These patterns may be used, for example, in integrated electronics, capture elements, or sensing elements in micro-fluidic channels.